

GenCore version 5.1.3  
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OM protein - protein search, using sw model

Run on: November 27, 2002, 07:15:05 ; Search time 29.0579 Seconds  
(without alignments)  
350,688 Million cell updates/sec

Title: US-09-893-615-89  
Perfect score: 556  
Sequence: 1 QIVLSQSPALLSAPGKVT.....COOWSNPPTFGGTMLEIR 106

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 283224 seqs, 96134422 residues

Total number of hits satisfying chosen parameters: 283224

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

1: PIR1:\*  
2: PIR2:\*  
3: PIR3:\*  
4: PIR4:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	523	94.1	106	2	PL0082
2	492	88.5	107	2	A42848
3	480	86.3	107	2	PC4405
4	474	85.3	107	2	A30562
5	473	85.1	105	2	S26338
6	469	84.4	107	2	B30562
7	466.5	83.9	108	2	G30560
8	465.5	83.7	108	2	S38720
9	462	83.1	140	2	PL0013
10	459	82.6	106	2	PS0071
11	458	82.4	104	2	BA9049
12	458	82.4	107	2	PL0011
13	458	82.4	130	1	JL0079
14	457	82.2	103	2	S29591
15	454	81.7	100	2	S29590
16	454	81.7	107	2	PS0406
17	452	81.3	97	2	S26341
18	446	80.2	106	2	B54378
19	445	80.0	235	2	S25058
20	444	79.9	107	2	S11118
21	442.5	79.6	104	2	JC6076
22	442	79.5	107	2	S11119
23	440	79.1	130	2	A32513
24	437	78.6	97	2	PH1084
25	434	78.1	107	2	S11121
26	433	77.9	107	2	S11117
27	433	77.9	130	2	B32456
28	433	77.9	130	2	S04573
29	430	77.3	99	2	S29585

30	429	77.2	106	2	G27887	Ig kappa chain V r
31	427	76.8	97	2	PH1085	Ig light chain V r
32	426	76.6	94	2	S26340	Ig light chain V r
33	426	76.6	99	2	D38601	Ig light chain V r
34	425	76.4	109	2	PT0405	Ig light chain V r
35	423	76.1	95	2	D33730	Ig kappa chain V r
36	423	76.1	107	2	S11113	Ig kappa chain V r
37	423	76.1	107	2	S29581	Ig kappa chain V r
38	423	76.1	108	2	PL0278	Ig kappa chain V r
39	421	75.7	108	2	PT0404	Ig light chain V r
40	420	75.5	109	2	S05268	Ig kappa chain pre
41	420	75.5	132	2	PS0070	Ig kappa chain V r
42	419	75.4	106	2	PS0070	Ig kappa chain V r
43	418	75.2	107	1	KVMSX4	Ig kappa chain V r
44	417	75.0	108	2	PL0276	Ig kappa chain V r
45	417	75.0	108	2	PL0277	Ig kappa chain V r

#### ALIGNMENTS

RESULT 1  
PL0082  
Ig kappa chain V region (2D3) - mouse  
C:Species: Mus musculus (house mouse)  
C:Date: 07-Jun-1990 #sequence: revision 07-Jun-1990 #text: change 21-Jan-2000  
C:Accession: PL0082  
R:Meek, K.; Hasemann, C.; Pollok, B.; Alkan, S.S.; Braly, M.; Slaoui, M.; Urbain, J.  
J. Exp. Med. 169, 519-533, 1989  
A:Title: Structural characterization of antidiabetic antibodies: evidence that Ab.  
A:Reference number: PL0080; MUID:89094248; PMID:2492056  
A:Accession: PL0082  
A:Molecule type: mRNA  
A:Residues: 1-106 <ME>  
A:Experimental source: strain BALB/c  
A:Note: the sequence shown here is from the V kappa region of an antidiabetic mon  
C:Superfamily: Immunoglobulin V region; Immunoglobulin homology  
C:Keywords: heterotrimer; immunoglobulin  
F:16-89/Domain: Immunoglobulin homology <IMM>

Query Match 94.1%; Score 523; DB 2; Length 106;  
Best Local Similarity 94.1%; Pred. No. 9, 2e-38;  
Matches 100; Conservative 3; Mismatches 3; Indels 0; Gaps

QY 1 QIVLSQSPALLSAPGKVTMTCRASSVNYMWOOKPSSPKPIVTSNLSGVPAR 60  
DB 1 QIVLSQSPALLSAPGKVTMTCRASSVNYMWOOKPSSPKPIVTSNLSGVPAR 60  
QY 61 FSGSGSGTSTLTISRVEADATYTCOOVSNPPTFGGTMLEIR 106  
DB 61 FSGSGSGTSTLTISRVEADATYTCOOVSNPPTFGGTMLEIR 106

RESULT 2  
A42848  
Ig light chain V region - mouse (fragment)  
N:Alternate names: I6 anti-tumor antibody  
C:Species: Mus musculus (house mouse)  
C:Date: 27-Apr-1993 #sequence: revision 18-Nov-1994 #text: change 21-Jan-2000  
C:Accession: A42848; S31902  
R:Feil, H.P.; Gayle, M.A.; Yellon, D.; Lipsich, L.; Schayen, G.L.; Marken, J. Biol. Chem. 267, 15552-15558, 1992  
A:Title: Chimeric I6 anti-tumor antibody: Genomic construction, expression, and cl  
A:Reference number: A42848; MUID:92348410; PMID:1639754  
A:Accession: A42848  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-107 <FE>  
A:Cross-references: EMBL:M0690  
A:Note: sequence extracted from NCBI backbone (NCBI:109954, NCBI:109955)  
C:Superfamily: Immunoglobulin V region; Immunoglobulin homology  
C:Keywords: immunoglobulin  
F:16-89/Domain: Immunoglobulin homology <IMM>